Yangming Ou

List of Publications by Year
in descending order

71 papers	3,241 citations	304368 22 h-index	161609 54 g-index
75 all docs	75 docs citations	75 times ranked	5145 citing authors

#	Article	IF	Citations
1	Functional Connectivity in Infancy and Toddlerhood Predicts Long-Term Language and Preliteracy Outcomes. Cerebral Cortex, 2022, 32, 725-736.	1.6	12
2	Global-Local Transformer for Brain Age Estimation. IEEE Transactions on Medical Imaging, 2022, 41, 213-224.	5.4	51
3	Maternal Childhood Maltreatment Is Associated With Lower Infant Gray Matter Volume and Amygdala Volume During the First Two Years of Life. Biological Psychiatry Global Open Science, 2022, 2, 440-449.	1.0	10
4	Study protocol: retrospectively mining multisite clinical data to presymptomatically predict seizure onset for individual patients with Sturge-Weber. BMJ Open, 2022, 12, e053103.	0.8	2
5	How Machine Learning is Powering Neuroimaging to Improve Brain Health. Neuroinformatics, 2022, 20, 943-964.	1.5	13
6	Assessment of Maternal Macular Pigment Optical Density (MPOD) as a Potential Marker for Dietary Carotenoid Intake during Lactation in Humans. Nutrients, 2022, 14, 182.	1.7	3
7	Human Fetal Brain Magnetic Resonance Imaging (MRI) Tells Future Emergence of Autism Spectrum Disorders. FASEB Journal, 2022, 36, .	0.2	5
8	Deep learning of birth-related infant clavicle fractures: a potential virtual consultant for fracture dating. Pediatric Radiology, 2022, 52, 2206-2214.	1.1	3
9	Increased Breastfeeding Proportion Is Associated with Improved Gross Motor Skills at 3–5 Years of Age: A Pilot Study. Nutrients, 2022, 14, 2215.	1.7	2
10	Voxelwise and Regional Brain Apparent Diffusion Coefficient Changes on MRI from Birth to 6 Years of Age. Radiology, 2021, 298, 415-424.	3.6	19
11	Quantification of magnetic resonance spectroscopy data using a combined reference: Application in typically developing infants. NMR in Biomedicine, 2021, 34, e4520.	1.6	7
12	Multi-channel attention-fusion neural network for brain age estimation: Accuracy, generality, and interpretation with 16,705 healthy MRIs across lifespan. Medical Image Analysis, 2021, 72, 102091.	7.0	30
13	Evaluation of MRI to Ultrasound Registration Methods for Brain Shift Correction: The CuRIOUS2018 Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 777-786.	5.4	42
14	Maternal Dietary Intake of Omega-3 Fatty Acids Correlates Positively with Regional Brain Volumes in 1-Month-Old Term Infants. Cerebral Cortex, 2020, 30, 2057-2069.	1.6	15
15	Fully Automatic Arteriovenous Segmentation in Retinal Images via Topology-Aware Generative Adversarial Networks. Interdisciplinary Sciences, Computational Life Sciences, 2020, 12, 323-334.	2.2	22
16	A Collaborative Dictionary Learning Model for Nasopharyngeal Carcinoma Segmentation on Multimodalities MR Sequences. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-15.	0.7	4
17	Editorial: Artificial Intelligence for Medical Image Analysis of Neuroimaging Data. Frontiers in Neuroscience, 2020, 14, 480.	1.4	7
18	Localizing central swallowing functions by combining non-invasive brain stimulation with neuroimaging. Brain Stimulation, 2020, 13, 1207-1210.	0.7	2

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19	Putative protective neural mechanisms in prereaders with a family history of dyslexia who subsequently develop typical reading skills. Human Brain Mapping, 2020, 41, 2827-2845.	1.9	17
20	Brain Age Estimation Using LSTM on Children's Brain MRI. , 2020, 2020, 420-423.		6
21	Infant FreeSurfer: An automated segmentation and surface extraction pipeline for T1-weighted neuroimaging data of infants 0–2 years. NeuroImage, 2020, 218, 116946.	2.1	96
22	Multi-Scale Feature Fusion Convolutional Neural Network for Concurrent Segmentation of Left Ventricle and Myocardium in Cardiac MR Images. Journal of Medical Imaging and Health Informatics, 2020, 10, 1023-1032.	0.2	2
23	Deformable MRI-Ultrasound registration using correlation-based attribute matching for brain shift correction: Accuracy and generality in multi-site data. NeuroImage, 2019, 202, 116094.	2.1	16
24	Perioperatively Inhaled Hydrogen Gas Diminishes Neurologic Injury Following Experimental Circulatory Arrest in Swine. JACC Basic To Translational Science, 2019, 4, 176-187.	1.9	15
25	Mining multi-site clinical data to develop machine learning MRI biomarkers: application to neonatal hypoxic ischemic encephalopathy. Journal of Translational Medicine, 2019, 17, 385.	1.8	14
26	Achieving Accurate Segmentation of Nasopharyngeal Carcinoma in MR Images Through Recurrent Attention. Lecture Notes in Computer Science, 2019, , 494-502.	1.0	13
27	Quantitative Apparent Diffusion Coefficient Mapping May Predict Seizure Onset in Children With Sturge-Weber Syndrome. Pediatric Neurology, 2018, 84, 32-38.	1.0	11
28	Field of View Normalization in Multi-Site Brain MRI. Neuroinformatics, 2018, 16, 431-444.	1.5	20
29	eCurves: A Temporal Shape Encoding. IEEE Transactions on Biomedical Engineering, 2018, 65, 733-744.	2.5	2
30	Radiomics in Brain Tumor: Image Assessment, Quantitative Feature Descriptors, and Machine-Learning Approaches. American Journal of Neuroradiology, 2018, 39, 208-216.	1.2	281
31	Probing tumor microenvironment in patients with newly diagnosed glioblastoma during chemoradiation and adjuvant temozolomide with functional MRI. Scientific Reports, 2018, 8, 17062.	1.6	11
32	Deformable MRI-Ultrasound Registration via Attribute Matching and Mutual-Saliency Weighting for Image-Guided Neurosurgery. Lecture Notes in Computer Science, 2018, , 165-171.	1.0	5
33	Cancer imaging phenomics toolkit: quantitative imaging analytics for precision diagnostics and predictive modeling of clinical outcome. Journal of Medical Imaging, 2018, 5, 1.	0.8	110
34	Using clinically acquired MRI to construct age–specific ADC atlases: Quantifying spatiotemporal ADC changes from birth to 6–year old. Human Brain Mapping, 2017, 38, 3052-3068.	1.9	31
35	Multicenter validation of prostate tumor localization using multiparametric MRI and prior knowledge. Medical Physics, 2017, 44, 949-961.	1.6	23
36	Automatic Categorization and Scoring of Solid, Part-Solid and Non-Solid Pulmonary Nodules in CT Images with Convolutional Neural Network. Scientific Reports, 2017, 7, 8533.	1.6	31

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37	Phase II study of tivozanib, an oral VEGFR inhibitor, in patients with recurrent glioblastoma. Journal of Neuro-Oncology, 2017, 131, 603-610.	1.4	69
38	ABCD1 dysfunction alters white matter microvascular perfusion. Brain, 2017, 140, 3139-3152.	3.7	24
39	NIMG-22. MRI CHANGES IN NEWLY DIAGNOSED GLIOBLASTOMA DURING CHEMORADIATION AND ADJUVANT TEMOZOLOMIDE. Neuro-Oncology, 2016, 18, vi128-vi129.	0.6	0
40	NIMG-42. PENETRATION OF RADIOLABELED TEMOZOLOMIDE CORRELATES WITH CONTRAST ENHANCEMENT IN PATIENTS WITH RECURRENT GBM TREATED WITH BEVACIZUMAB. Neuro-Oncology, 2016, 18, vi133-vi133.	0.6	0
41	MUSE: MUlti-atlas region Segmentation utilizing Ensembles of registration algorithms and parameters, and locally optimal atlas selection. NeuroImage, 2016, 127, 186-195.	2.1	210
42	Deformable registration for quantifying longitudinal tumor changes during neoadjuvant chemotherapy. Magnetic Resonance in Medicine, 2015, 73, 2343-2356.	1.9	30
43	NIMG-29RADIOLABELED TEMOZOLOMIDE CAN MEASURE BEVACIZUMAB INDUCED VASCULAR MODULATION IN PATIENTS WITH RECURRENT GBM. Neuro-Oncology, 2015, 17, v160.1-v160.	0.6	0
44	Methodology to study the three-dimensional spatial distribution of prostate cancer and their dependence on clinical parameters. Journal of Medical Imaging, 2015, 2, 037502.	0.8	7
45	Quantification of tumor changes during neoadjuvant chemotherapy with longitudinal breast DCE-MRI registration. , 2015, , .		1
46	Brain extraction in pediatric ADC maps, toward characterizing neuro-development in multi-platform and multi-institution clinical images. NeuroImage, 2015, 122, 246-261.	2.1	13
47	Right ventricle segmentation from cardiac MRI: A collation study. Medical Image Analysis, 2015, 19, 187-202.	7.0	189
48	Phase II study of tivozanib, an oral VEGFR inhibitor, in patients with recurrent glioblastoma.. Journal of Clinical Oncology, 2015, 33, 2025-2025.	0.8	1
49	Neuroanatomical Classification in a Population-Based Sample of Psychotic Major Depression and Bipolar I Disorder with 1 Year of Diagnostic Stability. BioMed Research International, 2014, 2014, 1-9.	0.9	44
50	Evaluation of prostate segmentation algorithms for MRI: The PROMISE12 challenge. Medical Image Analysis, 2014, 18, 359-373.	7.0	469
51	Comparative Evaluation of Registration Algorithms in Different Brain Databases With Varying Difficulty: Results and Insights. IEEE Transactions on Medical Imaging, 2014, 33, 2039-2065.	5.4	144
52	Integration and relative value of biomarkers for prediction of MCI to AD progression: Spatial patterns of brain atrophy, cognitive scores, APOE genotype and CSF biomarkers. NeuroImage: Clinical, 2014, 4, 164-173.	1.4	112
53	Longitudinal diffusion MRI in PCNSL treated with methotrexate, rituximab, and temozolomide (MRT).. Journal of Clinical Oncology, 2014, 32, 8579-8579.	0.8	0
54	Multi-Atlas Skull-Stripping. Academic Radiology, 2013, 20, 1566-1576.	1.3	196

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55	Neuroanatomical pattern classification in a population-based sample of first-episode schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2013, 43, 116-125.	2.5	52
56	Validation of DRAMMS among 12 Popular Methods in Cross-Subject Cardiac MRI Registration. Lecture Notes in Computer Science, 2012, 7359, 209-219.	1.0	11
57	Temporal Shape Analysis via the Spectral Signature. Lecture Notes in Computer Science, 2012, 15, 49-56.	1.0	6
58	Multiparametric Processing of Serial MRI during Radiation Therapy of Brain Tumors: â€˜Finishing with FLAIR?â€™. International Journal of Radiation Oncology Biology Physics, 2011, 81, S794.	0.4	2
59	DRAMMS: Deformable registration via attribute matching and mutual-saliency weighting. Medical Image Analysis, 2011, 15, 622-639.	7.0	335
60	Detecting mutually-salient landmark pairs with MRF regularization. , 2010, , .		5
61	Simultaneous Geometric - Iconic Registration. Lecture Notes in Computer Science, 2010, 13, 676-683.	1.0	21
62	Sampling the spatial patterns of cancer: Optimized biopsy procedures for estimating prostate cancer volume and Gleason Score. Medical Image Analysis, 2009, 13, 609-620.	7.0	22
63	Non-rigid registration between histological and MR images of the prostate: A joint segmentation and registration framework. , 2009, , .		18
64	DRAMMS: Deformable Registration via Attribute Matching and Mutual-Saliency Weighting. Lecture Notes in Computer Science, 2009, 21, 50-62.	1.0	23
65	Non-rigid registration between histological and MR images of the prostate: A joint segmentation and registration framework. , 2009, , .		4
66	Multiparametric Tissue Characterization of Brain Neoplasms and Their Recurrence Using Pattern Classification of MR Images. Academic Radiology, 2008, 15, 966-977.	1.3	171
67	SIMULTANEOUS ESTIMATION AND SEGMENTATION OF T1 MAP FOR BREAST PARENCHYMA MEASUREMENT. , 2007, , .		10
68	Registering Histologic and MR Images of Prostate for Image-based Cancer Detection. Academic Radiology, 2007, 14, 1367-1381.	1.3	75
69	PROBABILISTIC SEGMENTATION OF BRAIN TUMORS BASED ON MULTI-MODALITY MAGNETIC RESONANCE IMAGES. , 2007, , .		21
70	Machine Learning to Predict ICU Admission, ICU Mortality and Survivorsâ€™ Length of Stay Among COVID-19 Patients: Toward Optimal Allocation of ICU Resources. SSRN Electronic Journal, 0, , .	0.4	0
71	A Role for Data Science in Precision Nutrition and Early Brain Development. Frontiers in Psychiatry, 0, 13, .	1.3	1